

WHAT IS CLAIMED IS:

1 1. A track positioning device for a drawer having a mediate track, an outer track,
2 and an inner track which is securely connected to opposite sides of the drawer, and the
3 mediate track and the outer track are slidable relative to the inner track, the track
4 positioning device comprising:

5 a positioning block which includes a body with a positioning slot defined
6 therein, two opposite wings respectively formed on a side face of the body and an
7 extending plate formed to connect to both of the wings, wherein each wing has a
8 mounting hole to allow a securing element extend through the mounting hole and into
9 the inner track to firmly connect the positioning block to the inner track, a stop is formed
10 and extended into the positioning slot, a positioning hole is defined in the body to
11 communicate with the positioning slot, the extending plate has two plates respectively
12 formed on opposite sides of the extending plate and a guiding recess is defined between
13 the plate and the extending plate, two first hooks are respectively formed on opposite
14 sides of the extending plate;

15 a moving block which has an extension corresponding to the positioning slot
16 and the positioning hole and a second hook formed on a side of the moving block; and

17 a spring which is provided between the positioning block and the moving block
18 and has a first distal end securely connected to one of the first hooks and a second distal
19 end to be securely connected to the second hook via the guiding recess,

20 whereby the positioning block is securely connected to the inner track while the
21 moving block is sandwiched between the inner track and the positioning block with the
22 extension of the moving block extending into the positioning slot of the positioning
23 block,

1 one distal end of the spring is securely connected to one of the first hooks and
2 the other distal end of the spring is securely connected to the second hook of the moving
3 block via the guiding recess, thereby the arcuate slot of the mediate track is aligned with
4 the positioning slot and has the extension received in the arcuate slot, a protrusion
5 formed on a front portion of an inner face defining the arcuate slot abuts the extension,
6 such that if the mediate track is pushed toward the inner track, the protrusion on
7 the front portion of the arcuate slot is able to force the extension to deform the stop and
8 enter the arcuate slot and the positioning slot, the extension is thus stayed inside the
9 positioning slot due to the blockage of the stop,
10 when the mediate track is forced to move away from the inner track, the
11 extension originally received in the arcuate slot is limited by the periphery defining the
12 positioning slot and because of the protrusion, the movement of the extension will be
13 forced by the protrusion to fall into the positioning hole, and when the drawer is pulled
14 to cause the mediate track to move away from the inner track, the positioning of the
15 extension in the positioning hole provides a positioning effect to the drawer.